

DNA STRUCTURE

What is the function of DNA?

Describe its shape.

The structure of DNA

At the right is a drawing of the chemical structure of a portion of a double-stranded DNA molecule.

- 1 Label the components as indicated in the spaces provided:

- a. _____
- b. _____
- c. _____
- d. _____
- e. _____
- f. _____
- g. _____
- h. _____
- i. _____
- j. _____
- k. _____
- l. _____
- m. _____
- n. _____

- 2 Which of the bases you have labeled are purines and which are pyrimidines?
- Purines: _____
- Pyrimidines: _____

- 3 What is the most obvious structural difference between purines and pyrimidines? _____
- _____
- _____

- 4 What is the code along the left-hand strand portion?

The right-hand strand portion?

